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"hilbert curve" bit (invert OR flip) (shift OR rotate)

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[J Wu](#)

[M McCool](#)

[J Mellor-Crumm...](#)

[S Craver](#)

[M Yeung](#)

[Using State Diagrams for Hilbert Curve Mappings - all 3 versions »](#)

JK Lawder - International Journal of Computer Mathematics 78 (3): 327- ... - dcs.bbk.ac.uk

... 5. **Invert** the values of the most significant bits of all of the ... same row's entries in column X 2 . For the **Hilbert Curve** only one **bit** in any Y value is non-zero. ...

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[USING STATE DIAGRAMS FOR HILBERT CURVE MAPPINGS](#)

CR Categories, E FII - informaworld.com

... (5) **Invert** the values of the most significant bits of all of the members in the upper half of the sequence. ... **Curve** only one **bit** in any SY value is non-zero. ...

[Web Search](#)

[Database and method for organizing data elements - all 2 versions »](#)

H Tropp - 2004 - freepatentsonline.com

... for more than 2 dimensions, the **Hilbert curve** is not ... MSB first, followed by the mantissa;

**invert** sign bits ... just some additions and XORs do per resolution **bit**. ...

[Cached](#) - [Web Search](#)

[Incremental and hierarchical Hilbert order edge equation polygon rasterization - all 5 versions »](#)

MD McCool, C Wales, K Moule - Proceedings of the ACM

SIGGRAPH/EUROGRAPHICS workshop on ..., 2001 - portal.acm.org

... By using the reversibility of both the **Hilbert curve** generation algorithm and the ... back-facing triangles, we can compute the determinant and **invert** the signs of ...

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[Improving Memory Hierarchy Performance for Irregular Applications](#)

[Using Data and Computation ... - all 10 versions »](#)

J Mellor-Crummey, D Whalley, K Kennedy - International Journal of Parallel Programming, 2001 - Springer

... As an alternative to simply performing a **bit**-wise interleaving of the block numbers ... to a position along any space-filling curve, such as a **Hilbert curve**, as we ...

[Cited by 84](#) - [Related Articles](#) - [Web Search](#)

[Multi-linearization data structure for image browsing - all 11 versions »](#)

SA Craver, BL Yeo, MM Yeung - US Patent 6,233,367, 2001 - Google Patents

... Collapses m-dimensional coordinates to a line via **Hilbert curve** traversal function ... O, O with 1; TOGGLE b'th **bit** (from the ... 0, 1, or 2 \*/ if(trit==1) **INVERT** flag[j] ...

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[Displaying ordered images based on a linearized data structure - all 4 versions »](#)

SA Craver, BL Yeo, M Yeung - US Patent 6,556,723, 2003 - Google Patents

... m-dimensional coordinates to a line via **Hilbert curve** traversal \*/ function ... O with 1; TOGGLE b'th **bit** (from the ... 1, or 2 \*/ if( trit==1 ) **INVERT** flag[j]; else ...

[Cited by 1](#) - [Related Articles](#) - [Web Search](#)

**Creating a linearized data structure for ordering images based on their attributes - all 4 versions »**

SA Craver, BL Yeo, M Yeung - US Patent 6,628,846, 2003 - Google Patents  
... m-dimensional coordinates to a line via **\*Hilbert curve** traversal \*/ function ... O, O  
with 1; TOGGLE b'th **bit** (from the ... 0, 1, or 2 \*/ if( trit=1 ) **INVERT** flag[j] ...

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**Linearized data structure ordering images based on their attributes - all 3 versions »**

SA Craver, BL Yeo, MM Yeung - US Patent 7,016,553, 2006 - Google Patents  
... m-dimensional coordinates to a line via **\*Hilbert curve** traversal \*/ function ... with  
0, 0 with 1; TOGGLE b'th **bit** (from the ... 0, 1, or 2 \*/ if(trit=1) **INVERT** flag[j] ...

[Related Articles](#) - [Web Search](#)

**Problem A - all 93 versions »**

B Problem - Computer - chern.ie.nthu.edu.tw

... Figure 1. (a) An order-3 **Hilbert curve**. ... 4, and 5, but it would be less costly to  
simply **flip** switch 2 ... The 16-bit checksum is computed by first setting it to zero ...

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**Classical Fractals and Self-Similarity**

T Nature - Springer

... set, the Koch curve, the Peano curve, the **Hilbert curve** and the ... There is a little  
**bit** of ambiguity in these ...  $1/3 = 0.1$ , that means that we just **shift** the binary ...

[Web Search](#)

**FORSCHUNGSZENTRUM JÜLICH GmbH**

U Detert, A Thomasch, N Eicker, J Broughton - fz-juelich.de

... Concerning the management of the components, the CLI of the Nortel switches,  
based

on a set of "full screen menus", are a little **bit** unusual and not as ...

[View as HTML](#) - [Web Search](#)

**A Ray Tracing Hardware Architecture for Dynamic Scenes**

S Woop - 2004 - woop.dnsalias.com

... 59 7.5 Cache Hit Rate using the Hardware Optimized **Hilbert Curve** 59 7.6 Hardware  
Quality Index ... GFlops at a clock rate of 200 MHz and has a 256 **bit** wide memory ...

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**Chaos and Time-Series Analysis - all 6 versions »**

JC Sprott - 2003 - books.google.com

... for one-dimensional maps 105 5.1.1 Binary **shift** map 106 ... maps 166 7.3.1 Fold 166  
7.3.2 **Flip** 168 7.3 ... 276 11.2.1 Devil's staircase 276 11.2.2 **Hilbert curve** 277 11.2 ...

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**PHYSICAL PIXELS - all 4 versions »**

KB Heaton - 2000 - media.mit.edu

... In the late 1950s, artists began a gradual **shift** towards the computer as a medium,  
as explained by John Whitney regarding his animation machine of 1958, ...

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**SUBJECT INDEX**

H Zirath, D Zoschg, Z Jun, B Zusmanovic - [ieeexplore.ieee.org](http://ieeexplore.ieee.org)  
... 1705-1708 vol.3 Si Schottky diode, **flip**-chip mounted ... BM, + , T-MTT Jan 01 151-159  
**Hilbert curve** fractal antenna ... 2 Attenuators high-accuracy digital 5 **bit** 0.8-2 ...  
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Computer Science Research Institute 2004 Annual Report of Activities  
DE Womble, BJ DeLap, DR Ceballos - [cs.sandia.gov](http://cs.sandia.gov)  
Page 1. SAND REPORT SAND2006-0002 Unlimited Release Printed March 2006  
Computer  
Science Research Institute 2004 Annual Report of Activities ...  
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Computer Science Research Institute 2004 annual report of activities.  
BJ DeLap, DE Womble, DR Ceballos - 2006 - [osti.gov](http://osti.gov)  
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 ... are many types and combinations of **space filling curves** which can ... iteration of the  
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 ... the right lower one: first perform a vertical **flip**, then **rotate** a quarter ... For more  
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R Align, F **Rotate**, S Distort - doi.ieeecomputersociety.org  
 ... user modify the appearance of objects by rotating, distorting, skewing, **filling**,  
 or applying a ... grams and artwork required nearly 6 Mbytes of disk **space**. ... **curve**. ...  
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EJ Wegman - Computing Science and Statistics: Proceedings of the 22nd ..., 1991 -  
 galaxy.gmu.edu  
 ... will describe a **space-filling curve** on the torus ... that while the torus method yields  
 a **space-filling** continuous path ... k-dimensional grand tour in d-**space** is much ...  
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K Culik, S Dube - Acta Informatica, 1993 - Springer  
 ... von Koch snowflake **curve** and the **space filling curves** of Peano ... An affine (linear)  
 transformation can scale, **rotate**, translate, squeeze or **flip** an image ...  
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 math.haifa.ac.il  
 ... words corresponding to finite approximations of the Peano **space filling curve**. ... n  
 to step n+1 the **curve** and grid ... realize a vertical **flip**, then **rotate** a quarter ...  
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... Hilbert curve is some particular example of a **space filling curve**, and space ... is obtained as follows: first perform a vertical **flip**, then **rotate** a quarter ...

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WT Baugh, SM Kusek, F Wessling III - US Patent 6,114,674, 2000 - Google Patents

... 30 defining a pattern 28 which includes at least one **space filling curve**. ... Lower right:

**Rotate** left (A,-); Lower left: **Flip** vertical (**rotate** right (A ...

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EJ Wegman - Computing Science and Statistics: Proceedings of the 22nd ..., 1991 - galaxy.gmu.edu

... to in ordinary 3-dimensional space, we must **rotate** in a ... will describe a **space-filling curve** on the torus ... the reader with the ability to do a **flip**- animation, ie ...

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...  $w_2$ , ...,  $w_n$ , respectively. An affine (linear) transformation can scale, **rotate**, translate, squeeze or **flip** an image. An MRFS  $M$  is ...

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... which are words corresponding to finite approximations of the Peano **space filling curve**. ... as follows: first realize a vertical **flip**, then **rotate** a quarter ...

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H Tropsch - 2004 - freepatentsonline.com

... of Hilbert Indexing [0081] The Hilbert curve is a **space filling curve** (each data point ... 5, wherein transformation (l<sub>m</sub>n/r) means **flip** with l<sub>m</sub>n, **rotate** by r ...

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### [Computational Methods for High-Dimensional Rotations in Data Visualization](#)

- [all 2 versions »](#)

A Buja, D Cook, D Asimov, C Hurley - Handbook of Statistics: Data Mining and Computational ..., 2004 - [www-stat.wharton.upenn.edu](http://www-stat.wharton.upenn.edu)

... as sitting inside a globe, one enables the user to **rotate** the globe ... low-dimensional projection; in other words, a grand tour is a **space-filling curve** in the ...

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[Streaming compression of tetrahedral volume meshes - all 5 versions »](#)

M Isenburg, P Lindstrom, S Gumhold, J Shewchuk - Proceedings of the 2006 conference on Graphics interface, 2006 - [portal.acm.org](http://portal.acm.org)

... a sweep along one axis and a **space-filling curve**—and a ... is labeled START, ADD, JOIN,

**FLIP**, or FILL (see ... We topologically **rotate** the tetrahedron so that active ...

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#### Tag-systems for the Hilbert curve

P Seebold - Discrete Mathematics - dmtcs.org

... is some particular example of a **space filling curve**, and space ... morphisms respectively represent a vertical **flip**, a quarter turn left **rotation**, and a ...

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H Tropf - 2004 - freepatentsonline.com

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#### Incremental and hierarchical Hilbert order edge equation polygon rasterization - all 5 versions »

MD McCool, C Wales, K Moule - Proceedings of the ACM SIGGRAPH/EUROGRAPHICS workshop on ..., 2001 - portal.acm.org

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Rasterization Michael D. McCool Chris Wales Kevin Moule ...

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... to finite approximations of the Peano **space filling curve**. ... morphisms respectively represent a vertical **flip**, a quarter ... tion, and a quarter turn right **rotation**. ...

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A Buja, D Cook, D Asimov, C Hurley - Handbook of Statistics: Data Mining and Computational ..., 2004 - www-stat.wharton.upenn.edu

... p - 2)-dimensional subspace of fixed points; but if the **rotation** is more ... dimensional projection; in other words, a grand tour is a **space-filling curve** in the ...

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#### Integrated circuit package including miniature antenna



SA FRACTUS - freepatentsonline.com

... in claim 13, wherein said **space-filling curve** comprises at ... chip so that said **flip-chip**-is ... acceleration, vibration, distance, speed, **rotation**, light intensity ...

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[Recursive Distributed Representations - all 33 versions »](#)

JB Pollack - Artificial Intelligence, 1990 - umiacs.umd.edu

Page 1. Recursive Distributed Representations Jordan B. Pollack Laboratory for AI Research & Computer & Information Science Department ...

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[Method for reducing circuit area by grouping compatible storage devices - all 3 versions »](#)

A Lin, KK Yau, YF Yu... - US Patent 6,018,622, 2000 - Google Patents

... In another particular embodiment, multibit **flip** flops having between two and eight ... The placement information (eg location, **rotation**, mirror, etc.) is used by ...

[Cited by 4](#) - [Related Articles](#) - [Web Search](#)

[Adaptive Atmospheric Modeling - all 2 versions »](#)

J Behrens - Adaptive Atmospheric Modeling, by Jörn Behrens. ISBN 3-540- ..., 2006 - www-m3.ma.tum.de

... 62 4.6 **Space filling curve** in bisection refinement . . . . .

63 4.7 **Space filling curve** reordering . . . . .

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S4	7091	S2 (7N) (FLIP??? ? OR INVERT? OR REARRANG? OR ROTAT? OR SHIF- T?)
S5	1080231	TABLE? OR LIST??? ? OR DIRECTOR? OR INDEX? OR CATALOG? OR - REGIST?
S6	605	S3:S4 (7N) (MIGRAT??? OR MAP OR MAPS OR MAPP??? ? OR MOVING? OR TRANSFER? OR TRANSLAT? OR MOVE??? ?)
S7	12775	(TRIMENSION? OR TRIDIMENSION? OR CUBIC OR VOLUMETRIC? OR M- ULTIDIMENSION? OR (TWO OR 2 OR MULTI? OR PLURAL? OR SEVERAL) (- ) DIMENSION?) (3N) (DATA? ? OR INFORMATION?? OR INFO OR CONTENT? ?)
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S10	2	S1(100N) S3:S4
S11	5047	S3:S4(100N) S5
S12	1	S11(100N) S6(100N) S7
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S15	5	S1(100N) S2
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S15	0	S9 AND S2
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S17	0	S11 AND S1
S18	10	S1 AND S2
S19	4	RD (unique items)
S20	40	S9 NOT S18
S21	19	S20 NOT (PY>2003 OR PY=2004:2007)
S22	15	RD (unique items)
S23	5	S11 AND S8
S24	4	RD (unique items)
S25	19	S22 OR S24
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File	6:NTIS 1964-2007/Jul W4	(c) 2007 NTIS, Intl Cpyrght All Rights Res
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Etc SEARCH:  
ABSTRACT SEARCHES

Set	Items	Description
S1	63	(HILBERT? OR SPACEFILLING? OR SPACE() FILLING? OR ZORDER OR Z() ORDER) (2N) CURVE?
S2	93588	BITBLOCK? OR (BIT OR BITS) (2N) (BLOCK? OR STRING?) OR (2 OR TWO OR II OR DUAL OR 3 OR THREE OR THIRD OR III OR TRIPLE) (2W- ) (BIT OR BITS) OR BINARY() DIGIT? ? OR DIGITAL() DATA? ? OR BIT- (2N) SEQUEN?
S3	5133	S2(7N) (MODIF? OR CHANG??? OR ADAPT? OR CUSTOM? OR TRANSFOR- M? OR TRANSFORM? () (MATRI??? OR VECTOR? OR ALTER?) OR ALTER?)
S4	4499	S2(7N) (FLIP??? ? OR INVERT? OR REARRANG? OR ROTAT? OR SHIF- T?)
S5	1333948	TABLE? OR LIST??? ? OR DIRECTOR? OR INDEX? OR CATALOG? OR - REGIST?
S6	402	S3:S4(7N) (MIGRAT??? OR MAP OR MAPS OR MAPP??? ? OR MOVING? OR TRANSFER? OR TRANSLAT? OR MOVE??? ?)
S7	13751	(TRIMENSION? OR TRIDIMENSION? OR VOLUMETRIC? OR MULTIDIMEN- SION? OR (TWO OR 2 OR MULTI? OR PLURAL? OR SEVERAL) () DIMENSIO- N?) (3N) (DATA? ? OR INFORMATION?? OR INFO OR CONTENT? ?)
S8	54369	(DATABASE OR DATABANK OR DATA() (BASE? OR BANK? OR FILE? OR REPOSITOR? OR WAREHOUSE?) OR DB) (5N) (MANAG? OR DIRECT? OR ADM- INISTRAT? OR ORGANI? OR OPTIMI? OR ORDER??? OR MAINTAIN? OR A- RRANG? OR PROGRAM? OR PLAN??? ? OR PRIORIT?)
S9	138	S6 AND S5
S10	0	S9 AND S1
S11	3	S1 AND S8
S12	1	S1 AND S3:S4
S13	2	S11 NOT S12
S14	2	S9 AND S8
S15	2	S9 AND S7
S16	7	S11:S15

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